

the load point and the gimbal portion including opposed spaced gimbal beams on opposed sides of the load point; and

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a plurality of bending assemblies including a first bending assembly (coupled) to one of said gimbal beams and a second bending assembly (coupled) to another of said gimbal beams and the first and second bending assemblies being energizable to adjust pitch and roll attitudes of the head assembly.

8. (Amended) A head suspension as claimed in claim 7, wherein the first bending assembly includes a first bending element energizable via a first electrical interface coupled to the first bending element and the second bending assembly includes a second bending element energizable via a second electrical interface coupled to the second bending element to independently energize the first and second bending elements to adjust the roll attitude of the head assembly.

9. (Amended) A head suspension as claimed in claim 7, wherein: the first bending assembly includes a first bending element on the one of said gimbal beams and the second bending assembly includes a second bending element on the other of said gimbal beams and the first and second bending elements are formed of a thermally expandable material forming a bi-metal structure having different coefficients of thermal expansion.

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11. (Amended) A head assembly as claimed in claim 7 wherein: the plurality of bending assemblies include a bending element formed of a piezoelectric material.

12. (Amended) A head suspension as claimed in claim 7, wherein:
the first bending assembly includes a first bending
element on the one of said gimbal beams and the
second bending assembly includes a second bending
element on the other of said gimbal beams and the
first and second bending elements have an
elongated length extending along an elongated
length portion of the gimbal beams.

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14. (Amended) A head suspension as claimed in claim 8, wherein
the first and second bending elements include opposed leading and
trailing ends and the first and second electrical interfaces
include opposed leads coupled proximate to the opposed leading
and trailing ends of the first and second bending elements.

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21. (Amended) A head suspension as claimed in claim 16, wherein:
a first electrical interface is coupled to the at least one
bending element on the first side of the roll axis and
a second electrical interface is coupled to the at
least one bending element on the second opposed side of
the roll axis to independently energize the first and
second bending elements to adjust the roll attitude of
the head.

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34. (Amended) The head suspension assembly of claim 1 wherein the
means for controlling roll attitude includes a plurality of
bending elements on opposed sides of the roll axis.

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37. (Amended) The head assembly of claim 9 wherein the opposed
spaced gimbal beams have a different coefficient of thermal
expansion than the first and second bending elements to form the
bi-metal structure having the different coefficients of thermal
expansion.

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38. (Amended) The head assembly of claim 7 wherein the first and second bending assemblies are energized based upon a radial position based upon a radial position of the head assembly relative to the disc.

Please add new claims 44-45 as follows:

44. (New) A head assembly comprising;

- a head suspension assembly including a gimbal portion;
- a head assembly coupled to the gimbal portion to pitch and roll about a pitch axis and a roll axis defined relative to a load point; and
- a bending assembly including a bending element spaced from the roll axis and the bending assembly being energizable to adjust a roll attitude of the head assembly relative to the roll axis.

45. (New) The head assembly of claim ³⁹44 including a plurality of bending assemblies including a first bending assembly including a first bending element spaced from the roll axis in a first direction and a second bending assembly including a second bending element spaced from the roll axis in a second direction opposite to the first direction and the first and second bending assemblies being energizable to adjust the roll attitude of the head assembly relative to the roll axis.